

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A63F 9/22	A1	(11) International Publication Number: WO 98/57718 (43) International Publication Date: 23 December 1998 (23.12.98)
--	----	--

(21) International Application Number: PCT/GB98/01798

(22) International Filing Date: 18 June 1998 (18.06.98)

(30) Priority Data:
9712724.5 18 June 1997 (18.06.97) GB

(71) Applicant (for all designated States except US): TWO WAY TV LTD. [GB/GB]; The Chiswick Centre, 414 Chiswick High Road, London W4 5TW (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HOLMES, Steven [GB/GB]; 79 Selby Lane, Keyworth, Nottingham NG12 5AQ (GB). CORNWELL, Simon, Anthony, Vivian [GB/GB]; 11 Eton Road, London NW3 4SS (GB). WRIGHT, David, John [GB/GB]; Acacia House, Old Wood, Oaklands, Old Welwyn, Herts AL6 0QR (GB). KYDD, Richard, Andrew [GB/GB]; 64 Popes Avenue, Twickenham, Middlesex TW2 5TT (GB).

(74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: METHOD AND APPARATUS FOR GENERATING A DISPLAY SIGNAL

(57) Abstract

Apparatus for interactively generating a display signal. The apparatus comprises: a receiver (2) for receiving a broadcast signal (15), the broadcast signal comprising a plurality of datastreams each including image data defining a background object (22-270), and control parameters (28-39); a foreground computer generated imagery (CGI) device (3) for generating a foreground computer generated object (CGO); a mixer (4) for combining the foreground CGO with background object image data to generate the display signal; and interaction means (3) for receiving the control parameters from the receiver, monitoring the position of the foreground CGO, and adapting the display signal with reference to the monitored position of the foreground CGO and the received control parameters.

